

#58 - CORNETTSVILLE ~~QDAD~~ 5047

Station: BRASHEAR

County: Perry

State: Ky.

Observer: Oscar Jones and

Year: 1909 Datum: Prelim. 1927 N.A.D.

Description: C.P. McKinley

On a high knob at the head of Middle and Left Fork of Macies Creek and Owens Branch of Leatherwood Creek. It is 15 miles by rd. S. of Hazard. The knob is rather flat, three ridges meeting on top, one from W., one from S., and one from NE. These ridges were not all cleared of timber.

Station mark: Iron pipe 30 inches long, 0.75 in. in diameter, set 20 in. in the ground. Flat strips of iron are fastened at right angles to foot of rod to prevent pulling up.

Reference marks: (1) large oak on top of knob; distance 26.7 ft. azimuth  $58^{\circ}06'$ . (2) Oak on ridge to NE.; distance 27.6 ft., azimuth  $189^{\circ}15'$ . (3) Oak on ridge to S.; distance  $347^{\circ}36'$ .

Note: Station destroyed. Locust hub used by U. S. Coal & Coke Co. reset from measurements to the references.

Plane Coordinates on Kentucky Lambert System (South Zone)

X = 2,759,670

Y = 290,955

[Latitude 37 06 13.40

Longitude 83 08 41.10

To Station—	Azimuth ° ' "	Back Azimuth ° ' "	Distance	
			Log. Meters	Miles
			3706 8300	

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

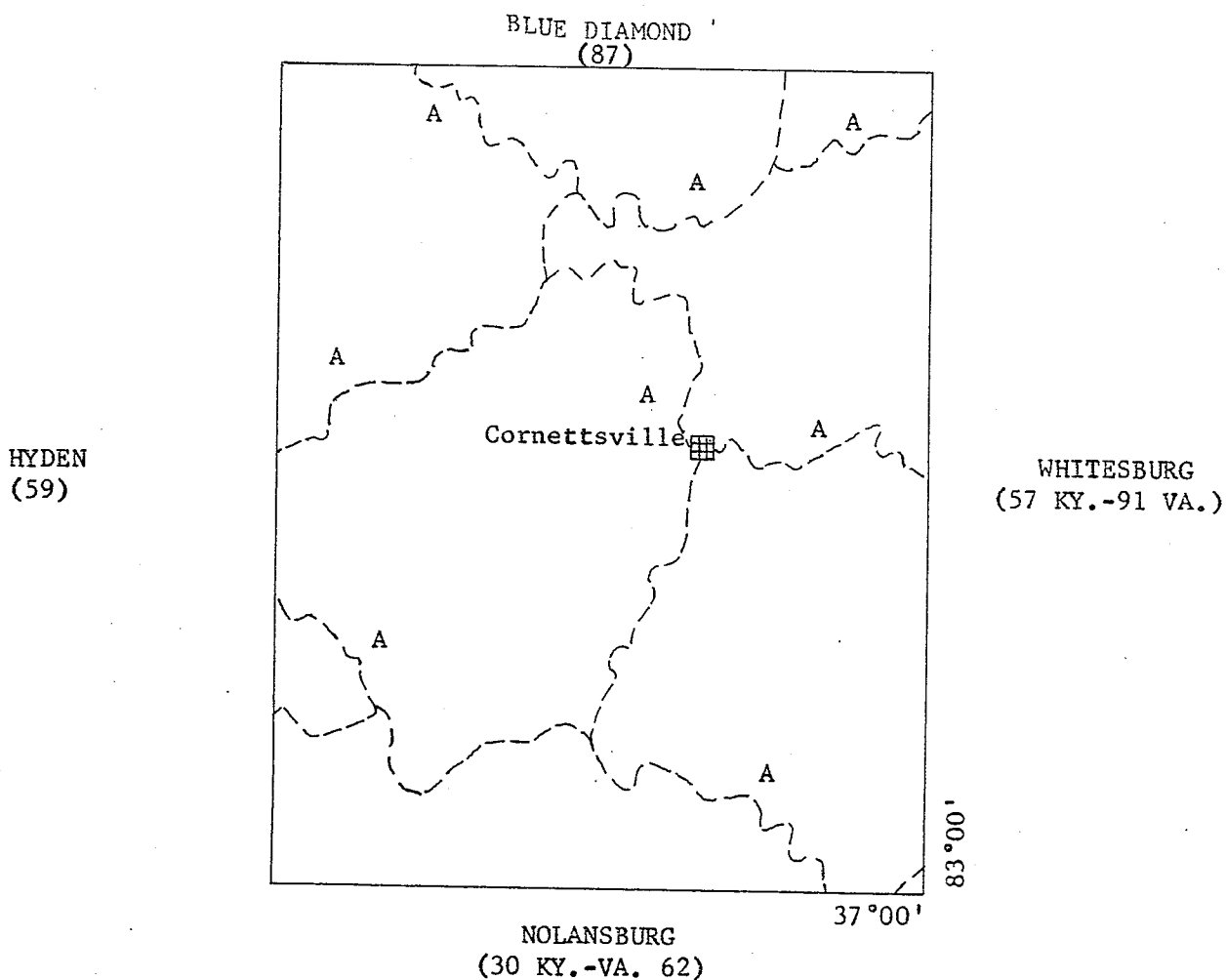
37-083-22  
CORNETTSTVILLE QUADRANGLE  
58 KENTUCKY  
N3700-W8300/15  
DIAGRAM NJ-17-7  
JENKINS

Perry, Harlan, Letcher,  
Knott, and Leslie  
Counties

Final adjustment of 1954

Edition of 5/15/74

PR: WSM/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370832

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
873	3	1262	4
879	3	1266	3
890	3	1270	4
961	3	1412	4
962	3	1423	4
972	3	1481	4
1012	3	1605	4
1088	4	908 1913	3
1093	5	923 1913	3
1107	4		

ISOLATED BENCH MARKS (By S. R. Archer, 1913; Book A 9161)	<u>Feet</u>
Blackey Station, 2.9 mi NW. of; 470 ft W. of Gourd Post Office; in top of E. stone abutment at N. end of bridge over North Fork of Kentucky River; standard tablet stamped "972" (Tied by NGS, 1950)	971.760
Ulvah, N. side of track; NE. pier of stone foundation of RR. water tank; in top of second stone from top; standard tablet stamped "962"	961.
Cornettsville, 0.6 mi W. of, opposite mouth of Leatherwood Creek; 50 ft E. by 80 ft N. of E. end of RR. cut; 80 ft N. of RR. on E. bank of small drain from N.; in rock outcrop; standard tablet stamped "961" (Reported destroyed, 1953)	960.
Hombre Station; 150 ft S. and 75 ft E. of station; 200 ft N. of Big Branch; in barn yard of; in rear of Richard McIntire's store (Fort Branch post office); 10 ft S. of SE. corner of store; 5 ft S. by 15 ft W. of NW. corner of barn; in rock ledge; standard tablet stamped "923 1913" (Reported not found, 1953)	922.
Masu Station, 0.6 mi E. of; W. abutment top of N. end of parapet wall of RR. bridge over North Fork of Kentucky River; standard tablet stamped "908 1913" (Tied by NGS, 1950)	907.449
Hamdin Station, 0.3 mi S. of; about 700 ft N. of mouth of Carr Fork of Kentucky River; on top of E. abutment at S. end; standard tablet stamped "890"	890.
Edjouet station, 0.5 mi N. of; 75 ft S. of mouth of Raccoon Branch; 100 ft E. of RR.; E. side of rd.; in rock cliff; standard tablet stamped "879" (Reported not found, 1953)	879.
Hazard, First National Bank Building; in face of water table N. side of entrance standard tablet stamped "873"	873.
Banks, 1.6 mi NE. of; 170 ft S. of mouth of Turkey Creek; on E. bank of Line Fork; at point of spur from SE.; 90 ft S. of 2.5-ft sycamore tree; in rock cliff; standard tablet stamped "1012" (Reported not found, 1953)	1011.
Banks, 2.6 mi S. of; trail leading S. to head of Defeated Creek; 100 ft W. and 40 ft N. of mouth of branch and trail to S.; inside of fenceline; in top of large sandstone rock; standard tablet stamped "1266" (Reported disturbed, 1953) (Tablet has been removed, shank remains intact)	1265.

Book A 9161

S. R. Archer

4

ISOLATED BENCH MARKS (Cont'd.)

	<u>Feet</u>
Defeated Creek, 4.2 mi SW. of; rd. forks 50 ft W. of mouth of Trace Branch; rd. leading S. to Trace Fork of Line Fork; on S. side of bed of Defeated Creek; at NE. edge of clump of pine trees; in top of large sandstone rock; standard tablet stamped "1481" (Reported not found, 1953)	1481.
Delphia, 2.4 mi NE. of; 200 ft W. of mouth of Bark Camp Branch; on N. bank of Leatherwood Creek; in top of large sandstone rock at water's edge; standard tablet stamped "1423" (Reported not found, 1953)	1423.
Delphia, 1.5 mi NW. of; 350 ft S. of mouth of Clover Fork; 40 ft S. of residence of William Asher; on E. bank of Leatherwood Creek; under small elm and gum trees at waters edge; in top of sandstone rock; standard tablet stamped "1088" (Reported not found, 1953)	1087.
Delphia, 1.5 mi NW. 3.6 mi SW. at head of Clover Fork; opposite mouth of Lick Fork; W. side of trail running under cliff (known as Old Rockhouse); 0.6 mi E. of Low Gap between Clover Fork and Low Gap Branch of Cutshin Creek; 10 ft S. of N. cliff; 2.5 ft above trail; set vertically in face of rock wall; standard tablet stamped "1605" (Reported not found, 1953)	1605.
Kate, 2.0 mi N. of; 220 ft N. of house; 215 ft S. of rd. forks; opposite mouth of Low Gap Branch; W. side of, and 3 ft above rd.; at NE. corner of large sandstone rock; standard tablet set vertically, stamped "1412" (Reported disturbed, 1953) (Tablet removed, shank still in rock)	1412.
Kate, 4.6 mi N. of; 3 mi SE. of Cutshin post office; on E. bank; 200 ft NE. of mouth of Trace Branch; 150 ft S. of Felix Lewis' residence; at water's edge; in top of large sandstone rock; standard tablet stamped "1107" (Reported disturbed, 1953) (Tablet removed, shank still in rock)	1106.
Farler, 5.2 mi S. of; 300 ft N. of mouth of Lick Fork (Coddy Branch) of Trace Branch of Cutshin Creek; on E. side of rd.; in top of rock ledge; standard tablet stamped "1270" (Reported disturbed, 1953) (Tablet removed, shank still in rock)	1269.
Farler, 2.6 mi S. of; 600 ft S. of mouth of Adams Branch; at bend in creek to W.; N. edge of timber at forks of trail; E. side of trail to S.; S. side of trail to W.; 20 ft W. of 2.5-ft white oak tree; 30 ft S. of 2-ft beech tree; 50 ft W. of Adams Branch; in top of large flat rock; standard tablet stamped "1262"	1262.

Book A 9161

S. R. Archer

ISOLATED BENCH MARKS (Cont'd.)Feet

Farler, 0.2 mi E. of post office; 150 ft E. of forks of rd.; 150 ft W. of small house standing on N. side of rd. (first house E. of post office and rd. forks); 50 ft N. of and 13 ft above creek at ford; in top of sharp projecting sandstone rock; standard tablet stamped "1093" (Reported not found, 1972)

1092.

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-083-22  
CORNETTSTVILLE QUADRANGLE  
58 KENTUCKY  
N3700-W8300/15  
DIAGRAM NJ 17-7  
JENKINS

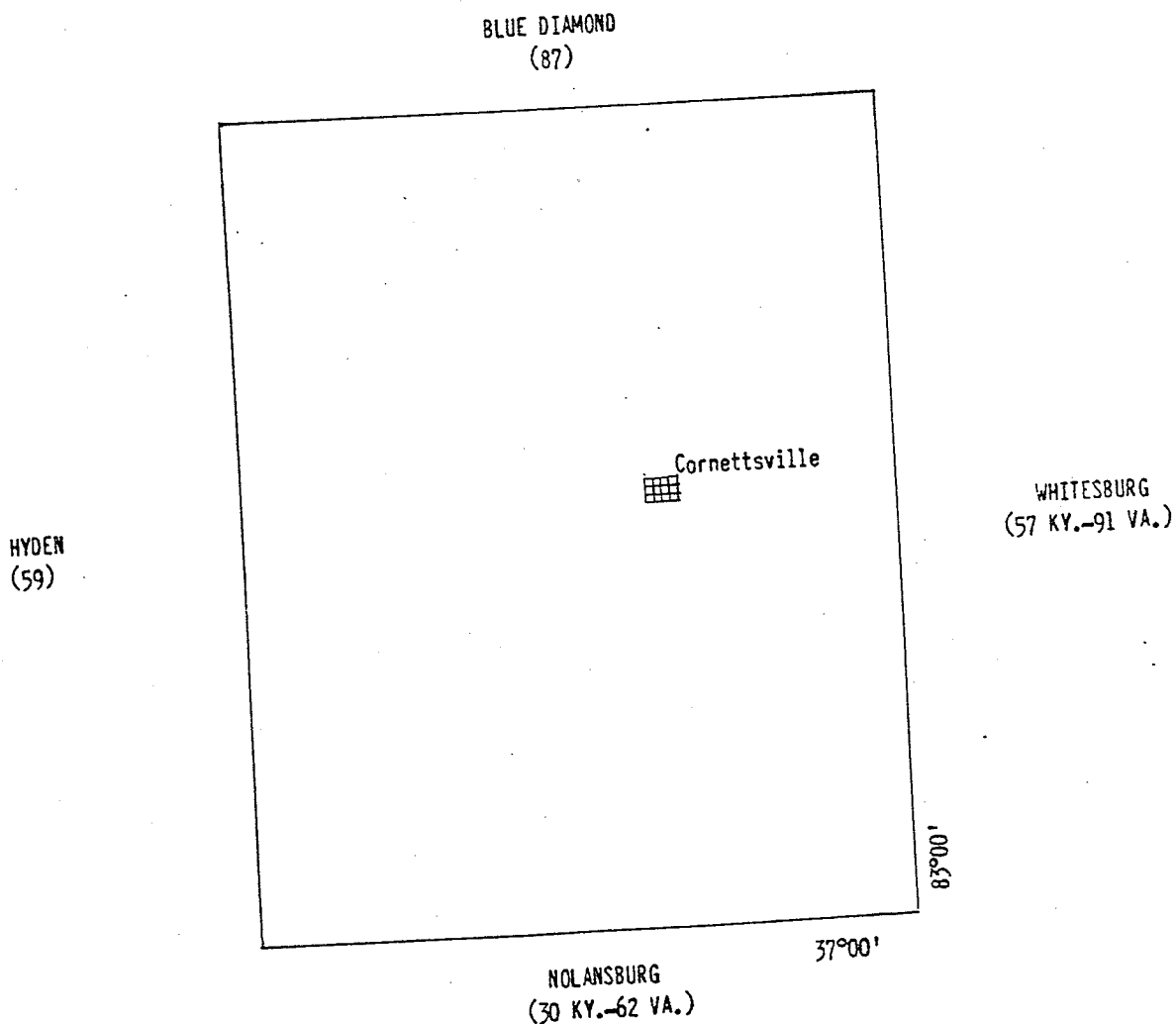
Harlan, Knott, Leslie, Letcher, and Perry Counties

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

Edition of 9/30/76

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, South Zone



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.



58 KENTUCKY  
CORNETTSVILLE QUADRANGLE

37-083-22  
N3700-W8300/15

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
972 KY	3
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TT 2 CWH 1951 953.787	3
TT 3 CWH 1951 975.621	3
TT 5 CWH 1951	3
TT 6 CWH 1951	3
TT 7 CWH 1951	3
TT 1 JRH 1953	5
TT 18 JRH 1953	3
<u>NGS</u>	
S 15 1930 951.035	4
T 15 1930 952.688	4
Y 286 1952 1025.707	4
A 287 1952	4
B 287 1952 951.973	4
C 287 1952	4
D 287 1952	4

58 KENTUCKY  
CORNETTSVILLE QUADRANGLE

37-083-22  
3

STATION	DESCRIPTION	LATITUDE ° ' "	LONGITUDE ° ' "
PLANE COORDINATES, FEET			

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By C. W. Haas, 1952; Book AH 266

Allock, 0.1 mi SE. of post office; 0.7 mi NW. of Vicco; 400 ft S. of coal tippie; 21 ft SE. of centerline of rd.; 4 ft NW. of N. corner of concrete-block weighing building; 2 ft SW. of W. rail of W. RR. track; in W. concrete wall of RR. weighing pit; standard tablet stamped "TT 1 CWH 1951"

X = 2,780,628 Y = 335,681

37 13 29.66

83 04 06.83

Vicco, 1.2 mi NE. of, along State Highway 15; 9 ft N. and 13 ft E. of center of concrete bridge over Red Oak Creek; in E. bridge abutment; 2 ft S. of N. end; standard tablet stamped "TT 2 CWH 1951 953.787"

X = 2,787,797 Y = 335,095

37 13 21.85

83 02 38.43

Vicco, 3.1 mi NE. of, along State Highway 15; 1.9 mi W. of Smithsboro; 530 ft NW. of foot bridge; 15 ft NNW. of centerline of hwy.; in N. stone headwall of culvert over drain; 16 ft NE. of W. end; standard tablet stamped "TT 3 CWH 1951 975.621"

X = 2,794,100 Y = 338,590

37 13 54.60

83 01 19.29

Smithsboro, 2.1 mi S. of, along Smith Branch Road; 160 ft SW. of mine entrance; 40 ft W. of foot bridge E. across drain; 7 ft W. of centerline of rd.; in sandstone boulder; standard tablet stamped "TT 5 CWH 1951"

X = 2,800,791 Y = 328,873

37 12 16.64

83 00 00.08

Kodak; 160 ft E. of Kodak School; 37 ft N. of centerline of E.-W. rd.; 26 ft SE. of milepost 257; 25 ft S. of S. rail of RR. track; in top of boulder; standard tablet stamped "TT 6 CWH 1951" (Reported destroyed, 1953)

X = 2,792,099 Y = 328,667

37 12 17.09

83 01 47.54

Vicco; 140 ft SW. of E. end of concrete bridge over Carr Fork; 25 ft W. of centerline of Vicco-Kodak rd.; in SE. corner of concrete retaining wall of truck scale; standard tablet stamped "TT 7 CWH 1952"

X = 2,782,955 Y = 332,077

37 12 53.39

83 03 39.34

By J. R. Harris, 1953; Book AH 320

Blackey Station, 2.9 mi NW. of; 470 ft W. of Gourd Post Office; in top of E. stone abutment at N. end of bridge over North Fork of Kentucky River; standard tablet stamped "972 KY"

X = 2,796,750 Y = 302,725

37 07 59.37

83 00 59.35

Cornettsville, 2.0 mi E. of, along State Highway 7; 0.2 mi W. of Ulvah; 5.7 mi W. of Blackey; 10 ft N. of centerline of hwy.; in NW. abutment of hwy. bridge over Line Fork; standard tablet stamped "TT 18 JRH 1953"

X = 2,785,746 Y = 300,830

37 07 43.77

83 03 15.86

58 KENTUCKY  
CORNETTSVILLE QUADRANGLE

37-083-22

4

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Cornettsville; 120 ft SSW. of L. & N. RR. station; at State Highway 7 bridge over North Fork Kentucky River; 7 ft SW. of centerline of bridge; in SW. end of NW. abutment; NGS standard disk stamped "T 15 1930 952.688"

X = 2,779,072

Y = 302,447

37 08 01.62

83 04 37.67

Cornettsville, 0.6 mi SW. of L. & N. RR. station, along State Highway 7; at Leatherwood; 225 ft SW. of junction of State Highway 448; at hwy. bridge over Leatherwood Creek; 10 ft NW. of centerline of hwy.; in NW. end of NE. concrete abutment; NGS standard disk stamped "S 15 1930 951.035"

X = 2,776,788

Y = 300,334

37 07 41.38

83 05 06.60

Cornettsville, 1.2 mi SW. of, along State Highway 448 from junction with State Highway 7; 0.2 mi S. of wooden bridge over Leatherwood Creek; 330 ft S. of end of suspension bridge on path to church; 69 ft NE. of, and across hwy. from 36-in. sycamore tree; 15 ft E. of centerline of hwy.; set vertically in smooth place in rock cut; NGS standard disk stamped "A 287 1952" (Reported destroyed, 1954)

X = 2,775,989

Y = 297,186

37 07 10.48

83 05 17.56

Cornettsville, 1.2 mi SW. of junction of State Highway 7, along State Highway 448; near Ritters Lumber Mill at Daisy; at crossing of spur of L. & N. RR.; at RR. bridge over Hicks Branch; 15 ft SW. of SW. rail; in SW. end of NW. concrete abutment; NGS standard disk stamped "B 287 1952 951.973"

X = 2,774,696

Y = 294,836

37 06 47.62

83 05 34.34

Cornettsville, 2.4 mi SW. of junction of State Highway 7, along State Highway 448; 2.0 mi NE. of Berean Baptist Church at Slemp; 1.2 mi SW. of L. & N. RR. crossing at Ritters Lumber Mill in Daisy; 37 ft WNW. of, and across hwy. from forked 12-in. walnut tree; 16 ft W. of centerline of hwy.; 3.5 ft above hwy.; set vertically in SE. face of 1-ft layer of rock in cut; NGS standard disk stamped "C 287 1952" (Reported destroyed, 1954)

X = 2,773,969

Y = 290,189

37 06 01.89

83 05 44.92

Slemp, 1.2 mi NE. of Berean Baptist Church, along State Highway 448; 1.1 mi NE. of crossing of L. & N. RR.; 0.2 mi NE. of, and across Leatherwood Creek from NE. portal of RR. tunnel; 21 ft N. of centerline of hwy.; 12 ft S. of rocky wash; 5 ft E. of first drill mark in cut W. of weathered wash; 2 ft above hwy.; on W. slope of grade; set vertically in S. face of solid rock cut; NGS standard disk stamped "D 287 1952" (Reported destroyed, 1954)

X = 2,771,422

Y = 288,032

37 05 41.27

83 06 17.09

Slemp; on State Highway 448; 120 ft W. of SW. corner of Berean Baptist Church; 24 ft S. of centerline of drive to church; 18 ft E. of centerline of hwy.; in E. end of N. abutment of 135-ft curved concrete bridge over Leatherwood Creek; 4.5 ft E. of concrete bannister; NGS standard disk stamped "Y 286 1952 1025.707"

X = 2,771,022

Y = 283,188

37 04 53.51

83 06 23.70

58 KENTUCKY  
CORNETTSVILLE QUADRANGLE

37-083-22  
5

STATION          DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Sleep, 2.7 mi NW. of, along Left Fork Owens Branch; 0.1 mi SE. of residence and end of rd.; 10 ft E. of center of small wooden bridge; 4 ft NE. of SE. corner of bridge; in center of 4-ft triangular boulder; standard tablet stamped "TT 1 JRH 1953"

X = 2,758,688

Y = 287,309

37 05 37.62

83 08 54.46